



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Plans and Specifications and Advertisement for Bids for Central City Revitalization
Downtown Underground Utilities Improvements

MEETING DATE: September 18, 1996

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council approve the plans and specifications for the above project and authorize advertising for bids.

BACKGROUND INFORMATION: This project consists of trenching and installing approximately 2,200 lineal feet of various water mains, sewer pipes, and storm drain pipes, bursting and upsizing 1,400 linear feet of existing 6-inch sewer pipe in four alleys to 8-inch sewer pipe, and other incidental and related work as shown on the plans and specifications for the above project. The limits of the project are as follows:

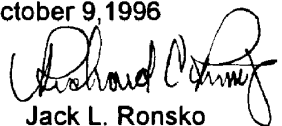
Alley south of Pine Street, Church Street to School Street (Sewer)
Alley south of Oak Street, Church Street to School Street (Sewer)
Alley south of Walnut Street, School Street to 200 feet east of School Street (Sewer)
Alley south of Elm Street, Church Street to School Street (Sewer)
Oak Street, School Street to Sacramento Street (Water & Storm Drain)
School Street, Pine Street to alley south of Locust Street (Sewer)
School Street, Alley south of Oak Street to Oak Street (Sewer)
School Street, Lodi Avenue to Walnut Street (Water and Sewer)
Lodi Avenue, School Street to Sacramento Street (Water)

This project is considered part of the Downtown revitalization. It improves major underground utilities before the installation of the new sidewalk, pavement, and landscaping in the Downtown area. The "bursting" work involves a specialized subcontractor utilizing a proprietary process in which hydraulic equipment expands "bursts" the existing pipe and an larger polyethylene pipe is pulled through. The advantages of this method are described in the attached memo. The specifications also include restrictions to minimize impact to business operations.

FUNDING: The money for this project will be coming from the Water, Wastewater and Storm Drain funds. A recommendation for appropriations will be made at the time of award.

Project Estimate: \$380,000

Planned Bid Opening Date: October 9, 1996

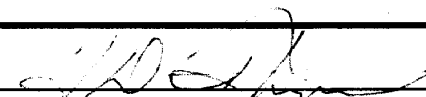

for Jack L. Ronsko
Public Works Director

Prepared by Lyman Chang, Associate Civil Engineer

JLR/LC/lm
attachment

cc: Purchasing Officer
Water/Wastewater Superintendent
Street Superintendent

APPROVED: _____


H. Dixon Flynn - City Manager




MEMORANDUM, City of Lodi, Public Works Department

To: City Engineer
From: Associate Civil Engineer
Date: September 11, 1996
Subject: Advantage of using Miller's Xpandit Pipe

Advantage of Xpandit Pipe over other pipe bursting methods (Use of hydraulic power instead of air hammer or pulling a bull head):

1. Reduce noise in the working area because no air compressor is needed.
2. No vibration which can damage near-by underground utilities (especially water lines).
3. Use of constant monitored hydraulic power instead of brutal force, the result is more uniform and predicable.
4. The diameter of the expanded cavity can be adjusted according to the new larger pipe diameter.
5. The installers are certified by Miller Pipe Corporation to ensure proper operation of the equipment and less problem in finished product.

Lyman Chang 
Associate Civil Engineer

LC/lc